

Serial No.: 10/736,279
Examiner: Ronald B. Abelson
Reply to Office Action mailed October 22, 2007
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REMARKS

Applicant acknowledge the receipt of Interview Summary mailed October 22, 2007. The discussions of the Interview Summary are reflected in the following remarks.

Reconsideration is requested in view of the following remarks. Claims 1-4 remain pending in the application.

Claim Rejections – 35 USC § 112

Claims 2-4 are rejected under 35 USC § 112, second paragraph for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant respectfully submits that:

“first power having a first power bias magnitude ΔP_{a-c} with power of the access prefix which is a last one accessed successfully” in claim 1 means first power having a first power bias magnitude ΔP_{a-c} together with power of the access prefix which is a last one accessed successfully. Specifically, “with” in claim 1 means “together with” or “plus;” and

likewise, “second power having a second power bias magnitude ΔP_{a-p} with power of the access prefix of a last successful access” in claim 2 means second power having a second power bias magnitude ΔP_{a-p} together with power of the access prefix of a last successful access. Specifically, “with” in claim 2 means “together with” or “plus.”

Looking at one of the embodiment as shown in Fig. 2, the first power claimed in claim 1 refers to the power of conflict detection prefix, which is the last successful access prefix (the fifth access prefix from the left) plus ΔP_{a-c} , while the second power as claimed in claim 2 refers to the power of the first time slot of the power control prefix, which is the last successful access prefix (the fifth access prefix from the left) plus ΔP_{a-p} .

Applicant respectfully submits the issue concerning claim 2 has been clarified. Withdrawal of the rejection is respectfully requested.

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Claim Rejections – 35 USC § 103

Claim 1 is rejected under 35 USC § 103(a) as being unpatentable over AAPA, applicant's admitted prior art in view of Lin. Applicant respectfully traverses this rejection.

Claim 1 requires transmitting conflict detection prefix by first power having a first power bias magnitude ΔP_{a-c} with power of the access prefix which is a last one accessed successfully. The present method is advantageous in that 1) it provides a relatively high power for the conflict detection prefix so that successful access probability for transmitting the conflict detection prefix is improved, and 2) it reduces the chance to restart the access procedure and as a result is more time and cost efficient.

The reference disclosures fail to teach or suggest transmitting conflict detection prefix by first power having a first power bias magnitude ΔP_{a-c} with power of the access prefix which is a last one accessed successfully as required by claim 1. The rejection cites Lin as suggesting increasing power for transmitting the conflict detection prefix as discussed in the Background. Applicant respectfully submits that the rejection's combination of the reference in this manner is contrary to the disclosure in the Background. The Background of the disclosure discusses a conventional method for power transmission in a physical common packet channel. This power transmission method includes two stages: 1) a climbing stage, wherein if receipt of an initial access prefix is not acknowledged, the power for transmitting the access prefix will be increased by the power bias of ΔP_0 each time until receipt of the access prefix is acknowledged; and 2) a maintaining stage, wherein, once the receipt of the access prefix is acknowledged, the power for transmitting remains the same for transmitting a conflict detection prefix, the power control prefix and the messages (see the first paragraph of Background of the specification and Fig. 1). To keep the cost for channel transmission reasonable as well as to reduce interference with other users, those skilled in the art try to find a way to obtain low transmission power, rather than a high transmission power. There would be no reason to combine the references in such a way because the Background disclosure is to keep the transmission power at a relatively low level. For at least these reasons, claim 1 is patentable over the reference disclosures.

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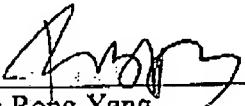
In view of the above, favorable reconsideration in the form of a notice of allowance is respectfully requested. Any questions regarding this communication can be directed to the undersigned attorney, Rong Yang, Limited Recognition No. L0279, at (612) 455-3816.

Respectfully submitted,



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Dated: January 22, 2008

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